

WASHINGTON UNIVERSITY

GENERAL INFORMATION

About the Institution

- Washington University was founded in 1853 and is located on 169-acres adjacent to Forest Park in St. Louis. The university offers more than 80 undergraduate, graduate, and doctoral programs through the College of Arts and Sciences, the Graduate School of Arts and Sciences, University College, the School of Architecture, the School of Art, the John M. Olin School of Business, the School of Law, the School of Medicine, and the George Warren Brown School of Social Work.

Source: Bulletin, Washington University, 1996-98

- Enrollment*** **12,035** (6,328 undergraduates)

White	69.8%
African American	5.5%
American Indian	0.4%
Asian	9.4%
Hispanic	1.6%
Other	13.3%
Missouri residents	26% (undergraduates)
Male	50.2%
Female	49.8%

**Fall 1998 Headcount*

Source: Missouri Department of Higher Education (<http://www.mocbhe.gov/acadafrs/stats>)

Tables 8.1, 8.2, 21.1 & 21.2

- Entrance Requirements**

The successful completion of a minimum of 12 years of primary and secondary studies is required for admission to any program of study leading to a bachelor's degree at Washington University. In addition to two letters of recommendation from teachers or counselors, prospective students must provide official SAT I or ACT and TOEFL (international students) results, original or certified copies of complete academic records, and a brief response to an essay question.

Source: Washington University (<http://www.wustl.edu>)

- Average ACT Score¹ 1993 Freshmen Class*** **28.5**

**Fall 1993 Degree-seeking, ACT-Tested First-time Freshman, 1993-1994 Statistical Summary of Missouri Higher Education, Missouri Coordinating Board for Higher Education (Tables 1.1 & 1.2)*

- Tuition & Fees for Typical Full-time Undergraduate Student*** **\$22,422**

**1997-98 academic year*

Source: Missouri Department of Higher Education (<http://www.mocbhe.gov/acadafrs/stats>)

About the Education Program

- Washington University's Department of Education offers elementary, middle school and secondary teacher education programs. All teacher education majors must double major; the strong content-area preparation offered by the College of Arts and Science is a strength of the teacher education program at Washington University.

Equally strong is the commitment to preparing inquiry-oriented teachers who can, as continuous learners, systematically examine and improve their own practice. Teachers educated at Washington University are expected to develop the ability to consider classroom decision-making from multiple perspectives and to ground their teaching practice in research, experience and ethical standards so that they can construct and reflect on that practice in the interest of all of their students.

In order to develop these abilities, the teacher education programs feature sequences of course work tied to multiple field experiences; this enables pre-service teachers to understand the complexity of what occurs in K-12 classrooms, to practice a variety of strategies to meet the needs of specific students in specific classrooms, and then to reflect on these experiences to improve their teaching practice in the future. All graduates produce an action research study of some aspect of their student teaching. Washington University is assisted in this effort by faculty at two partner schools, Kirkwood High School and Clay Community Education Center, and by the many other schools with which the university has long-standing, informal relationships.

In addition to undergraduate teacher education, Washington University offers master of arts in education (elementary) and master of arts in teaching (secondary) pre-service teacher education and a post-baccalaureate option that leads only to certification (no degree) in either middle school or secondary pre-service teacher education.

Source: Washington University, May 1999

• Enrollment in Undergraduate Professional Education Programs* 27

White	89%
African American	7.4%
American Indian	0%
Asian	0%
Hispanic	0%
Other	3.7%
Missouri residents	<i>Not yet available</i>
Male	15%
Female	85%

**Fall 1997 Headcount (full-time students)*

Source: Institution AACTE/NCATE Report, Oct. 1, 1998

• Education Program Entrance Requirements

All teacher education students must have a 2.8 overall grade point average and a 3.0 overall grade point average in their subject-area major. Beyond this base requirement, the teacher education admissions committees consider all information submitted at application and make admissions decisions based on applicants' overall qualifications. Application requirements/procedures vary by teacher education program but following are common elements:

- completion of appropriate application
- a personal essay regarding the decision to become a teacher
- submission of official copies of all academic records (high school transcripts, records from all college/universities attended)
- submission of appropriate achievement/aptitude test scores (C-BASE, ACT, SAT, GRE, Miller Analogies, TOEFL—according to program)
- submission of three academic, professional or teaching-related letters of recommendation
- interview with teacher education faculty

Source: Washington University, May 1999

- Information about Education Program Completers²

Recommended for initial Missouri certification in 1997

42

Age

Under 25	50%
25-34	38.10%
35-44	2.38%
45-54	9.52%
55 and over	0%

Source: Missouri Department of Elementary and Secondary Education

Average ACT score³ (for initial Missouri certification in 1997)

26.4

Source: ACT Inc. Research Services (scores since 1989 only)

C-BASE scores⁴

Passed all five subjects *first time*

Test	Passed all Subjects	English			Writing			Math			Science			Social St.		
15	15	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn
		283	415	350	312	388	345	322	472	408	307	443	378	276	436	365

Passed all five subjects, *one or more attempts* through December 1997

Test	Passed all Subjects	English (314)*			Writing (318)*			Math (319)*			Science (308)*			Social St. (309)*		
15	15	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn
		283	415	350	312	388	345	322	472	408	307	443	378	276	436	365

*state median score

Source: Assessment Resource Center

Employed in Missouri public schools⁵ in 1997-98*

16 (37%)

Missouri public school districts employing Washington University
1997 program completers 11

Major employers of Washington University 1997 program completers

Hazelwood	2
Mehlville R-IX	2
Clayton	2
Ferguson Florissant R-II	3

*Does not include individuals employed in public schools in another state, employed in private schools in Missouri or another state, or who received their teaching credentials but were employed in another field or unemployed

Source: Missouri Department of Elementary and Secondary Education

RESOURCES

Institution

- Full-time Faculty at Washington University 1,906

Source: 1997-1998 Statistical Summary of Missouri Higher Education; Missouri Coordinating Board for Higher Education

Tables 36.1 & 36.2

Education Program

- Full-time Education Program Faculty 13

White	12
African American	1
American Indian	0
Asian	0

Hispanic	0
Other	0
Male	6
Female	7
Doctorate Degree	10
Missouri Teaching Certificate	5
National Board Certification	0

- Adjunct Education Program Faculty 20
 - Full-time with the institution, part-time in education 0
 - Part-time in education 20

Source: Washington University, May 1999

EDUCATION PROCESSES

Institution

- Student-to-Faculty Ratio* 6:1
Source: Washington University, May 1999
- Average Class Size* 17
Source: Bulletin, Washington University in St. Louis, 1996-98

Education Program

- Student-to-Faculty Ratio 9:1
- Average Class Size 14

Source: Washington University, May 1999

- Practical Experience Requirements for Education Majors

All teacher education students must complete a minimum of three field experiences. The early field experience for all students occurs in ED 4052, Educational Psychology, which requires five hours of observation/interaction in a K-12 classroom for a semester. The majority of these early experiences occur in urban settings.

The second required field experience varies by program. Elementary students complete a second field experience in conjunction with the elementary methods block. Middle school teacher education students complete a second field experience in conjunction with their middle school organization course. (Students who choose secondary and middle also complete a third field experience during their middle school methods course.) Secondary teacher education students complete a second field experience during the fall of their "professional year" in conjunction with general and content-area methods course work.

The third required field experience is student teaching. The structure of student teaching varies by program but equals or exceeds 10 weeks of full-time student teaching in all cases.

Source: Washington University, May 1999

- Developmental School

The Department of Education has developed two formal partnerships in which the field experiences and other aspects of the teacher education programs are collaboratively designed and implemented. These partnerships are with Clay Community Education Center and Kirkwood High School.

Clay Community Education Center is an urban elementary school in the St. Louis School District and has been a teacher education partner with Washington University for five years. Teacher education students observe, assist teachers, serve as literacy tutors and student-teach at Clay. Washington University and Clay Community Education Center faculty members interact in a variety of ways for the improvement of instructional programs at both programs.

The Kirkwood-Washington University partnership is the oldest and most developed partnership and has had a significant impact on the teacher education programs. Kirkwood is a suburban community with a population that features a broad range of socio-economic levels. A significant proportion of the secondary teacher education students engage in a "professional year," consisting of fall field work and courses followed by integrated student teaching and course work on site at Kirkwood High School. The Department of Education recently has begun to work with some Kirkwood elementary and middle schools as well.

Source: Washington University, May 1999

- **Co-curricular Programs**

Several different departments within the College of Arts and Sciences offer different experiences tutoring local students at all grade levels. The Department of Education offers summer and school-year opportunities for students to tutor at the Clay Community Education Center. The Campus YMCA offers opportunities for students to tutor all subjects at all grade levels. Other opportunities exist in science education programs offered by the Biology Department and a writing program organized by the English Department.

Source: Washington University, May 1999

- **Accredited, NCATE (National Council for Accreditation of Teacher Education)**

Source: National Council for Accreditation of Teacher Education Web Site

PERFORMANCE

- **Missouri certificates* issued in 1997 to Washington University education program completers, by subject area and grade level**

Subject Area	Grade Level	Recommended for Certification
Art	K-12	1
Biology	7-12	2
Chemistry	7-12	1
Deaf and Hearing Impaired	K-12	5
Early Childhood Education	PK-3	3
Earth Science	7-12	2
Elementary Education	1-8	10
English	7-12	7
French	K-12	2
General Science	5-9	1
General Science	7-12	5
German	K-12	1
Language Arts	5-9	1
Mathematics	7-12	6
Social Studies	5-9	1
Social Studies	7-12	10
Spanish	K-12	1
Special (Chinese)	K-12	1
Speech and Theatre	7-12	1
Total		61

**Number of certificates issued, not number of graduates*

Source: Missouri Department of Elementary and Secondary

- Performance of Program Completers on National Teachers Exam*

Test Window 10-1-96 to 09-30-97	Qualifying	Total		Number	
Subject Area	Score	Group	Mean	Passing	Pass Rate
Biology	480	1	880	1	100.0%
Chemistry	440	4	660	4	100.0%
Earth/Space Science	380	3	727	3	100.0%
Education in the Elementary School	520	11	694	11	100.0%
English Language and Literature	500	5	640	5	100.0%
French	500	2	730	2	100.0%
Mathematics	550	6	703	6	100.0%
Physics	440	1	580	1	100.0%
Professional Knowledge	638	11	668	11	100.0%
Social Studies	500	9	657	9	100.0%
Spanish	490	1	710	1	100.0%
Special Education	490	4	640	4	100.0%
Total		58		58	100.0%

*Represents number of individuals who took the NTE during the test window but may not include all those recommended for certification

Source: Educational Testing Service

- Follow-up on Washington Program Completers

Education program completers who received initial Missouri certification in 1992

57

Employed in Missouri public schools in

1993-94	18 (32%)
1994-95	15 (26%)
1995-96	13 (23%)
1996-97	14 (25%)
1997-98	13 (23%)

Employed in Missouri public schools in 1997-98, with master's degree

12 (21%)

Employed in the same Missouri public school district in

1993-94	18 (32%)
1993-95	13 (23%)
1993-96	11 (19%)
1993-97	10 (18%)
1993-98	10 (18%)

Certification Status as of Sept. 1, 1998

Holding Valid PC I	3 (5%)
Holding Valid PC II	19 (33%)
Lapsed ⁶	35 (61%)

Source: Missouri Department of Elementary and Secondary Education

Major Employers⁷

Missouri school districts employing Washington University graduates* 82

Washington University had 940 graduates teaching in Missouri public schools during the 1997-98 school year.

School districts employing 6 percent or more of Washington University's 940 graduates teaching in Missouri public schools during the 1997-98 school year.

Special School District, St Louis County	9.46% (89)
Parkway C-2	11.91% (112)
St Louis City	16.38% (154)

**Includes all graduates of Washington University employed in the district, not just those who completed the education program*

Source: Missouri Department of Elementary and Secondary Education